

Coating Scratch Resistance Tester

This tester evaluates shear, scratch, planing, and engraving properties of coatings and rigid materials. It is used to assess the scratch resistance of coatings, anodized materials, soft metals, plastics, and glass.



Overview

Precision Scratch Resistance Testing

This paint scratch resistance tester is designed for the rigorous evaluation of surface durability across a wide range of materials, including rigid organic materials, coatings, soft metals, plastics, and glass. It utilizes a precision cutting tool and adjustable loading mechanism to assess shear, scratching, and engraving properties with high consistency. Ideal for quality control and research, this instrument ensures reliable performance measurement for industrial and protective coatings.

Technical Specifications

Maximum Test Pressure	5 N
Specimen Rotation Speed	5 r/min
Test Force Accuracy	2 %
Maximum Specimen Size	190 ~ 1100mm
Load Adjustment Range	0 - 1000g

Standards Compliance

International Standards	GB/T17657-1999, ISO 4586-2, JIS K6902, ASTM C217, DIN 53 799, DIN 68 861-4, UNI 9428, AS/NZS AS2924.2
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Operational Features

Cutting Tool Options

- Tungsten carbide tool
- Conical drill

Inspection Methods

- 10x Magnifying glass
- High-precision optical microscope